

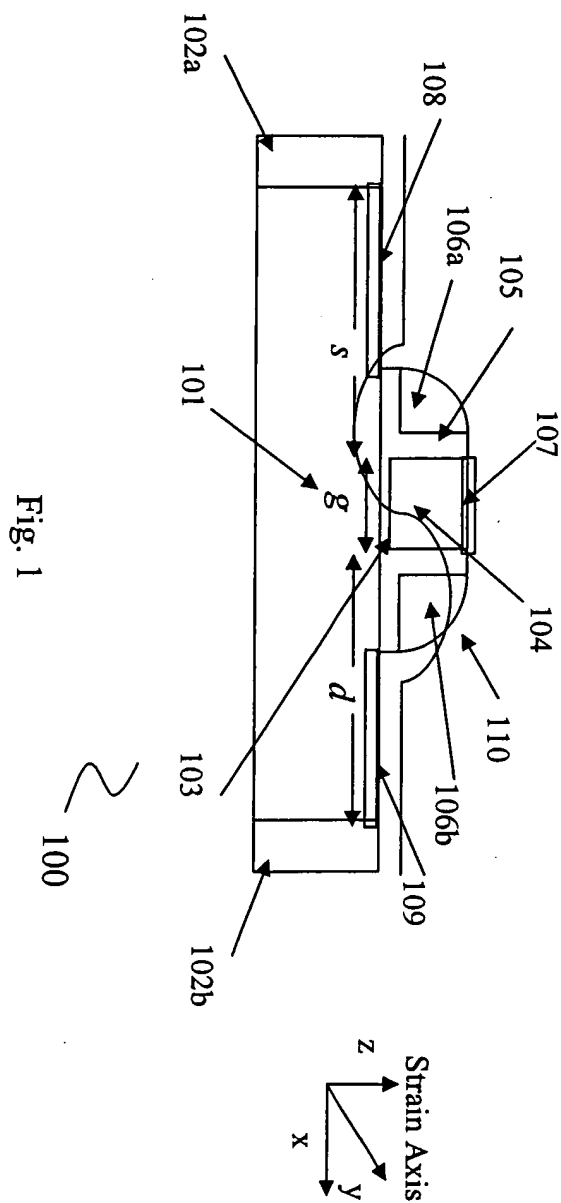


Fig. 2

Strain Field	Desired Strain Change	
	NMOS FET	PMOS FET
$\Delta\epsilon_x$	+	-
$\Delta\epsilon_y$	+	+
$\Delta\epsilon_z$	-	+

+ = more tensile, less compressive
 - = less tensile, more compressive

Fig. 3

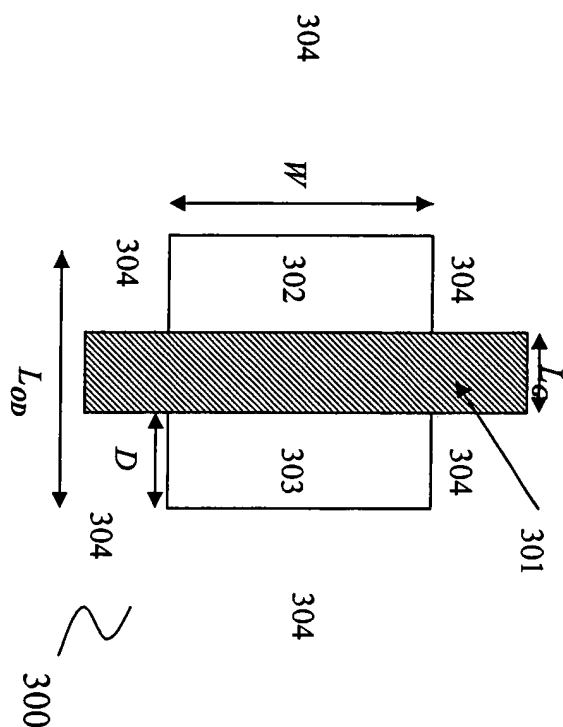


Fig. 4

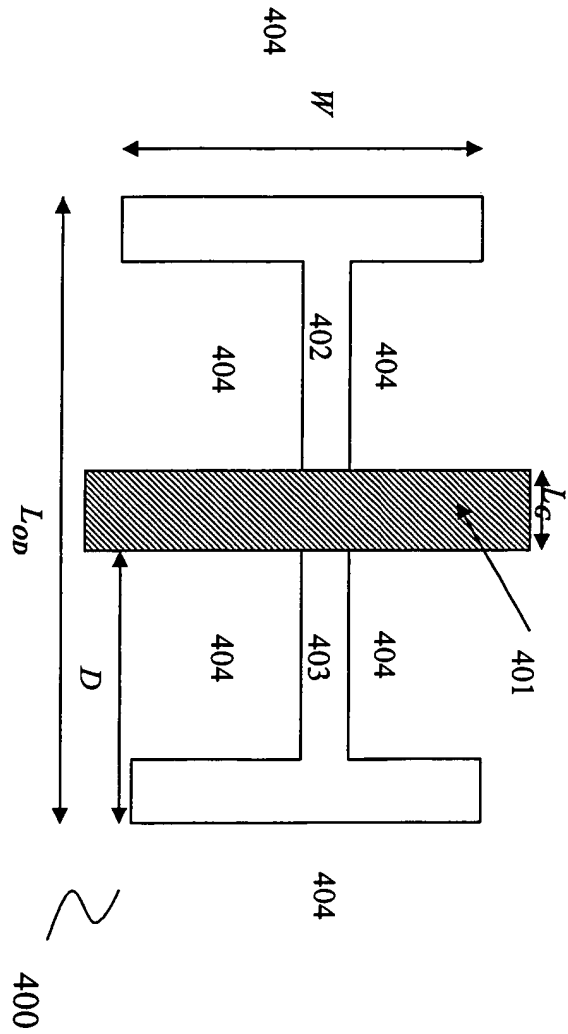


Fig. 5A

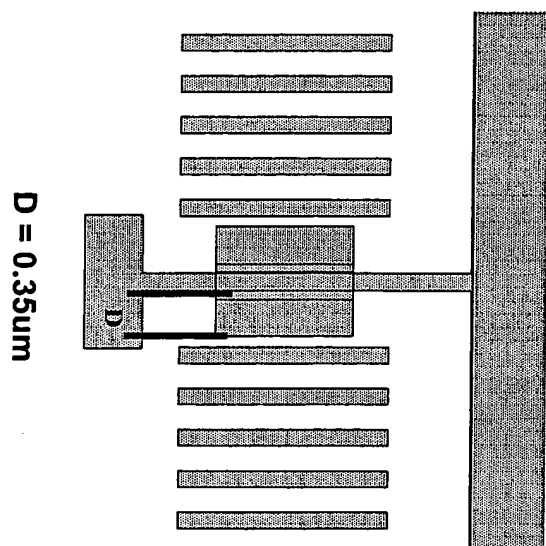


Fig. 5B

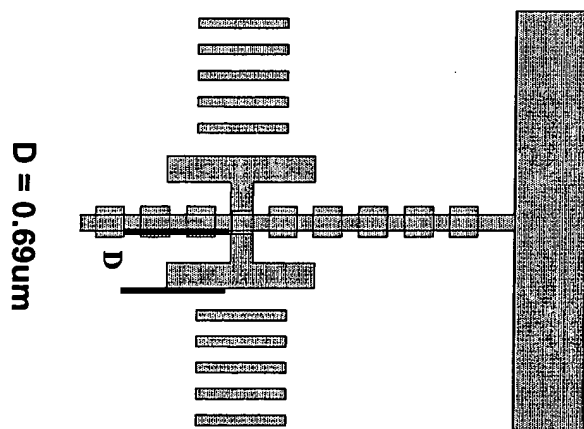


Fig. 6A

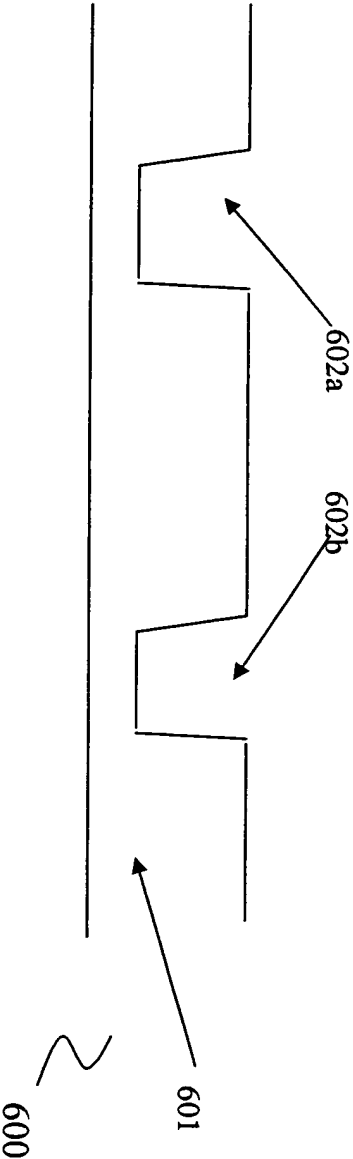


Fig. 6B

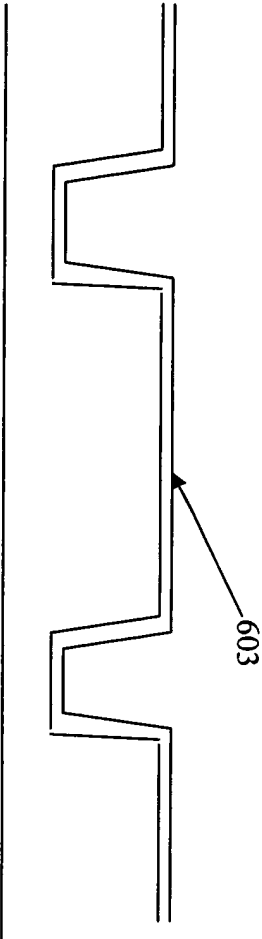


Fig. 6C

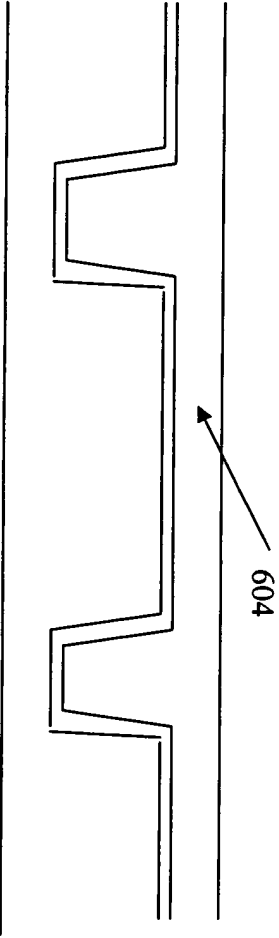


Fig. 6D

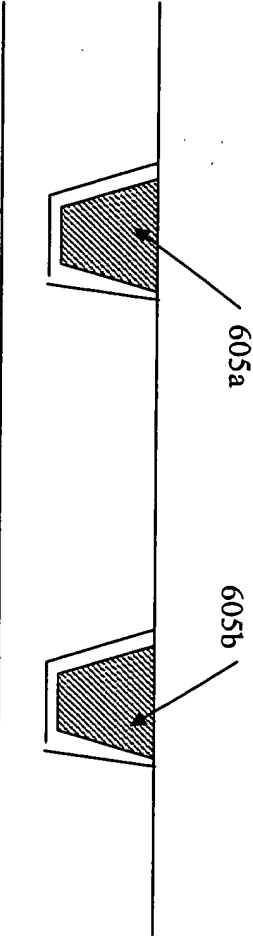
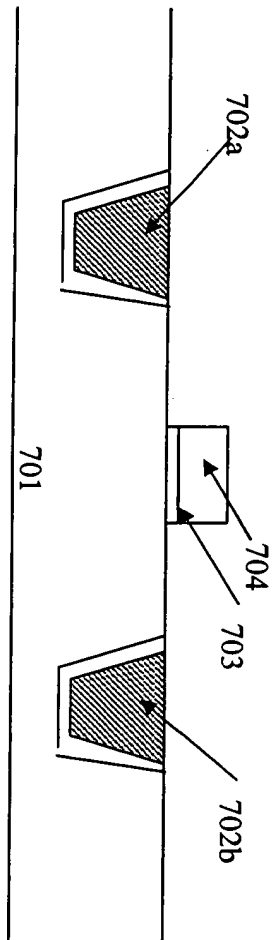


Fig. 7A



~
700

Fig. 7B

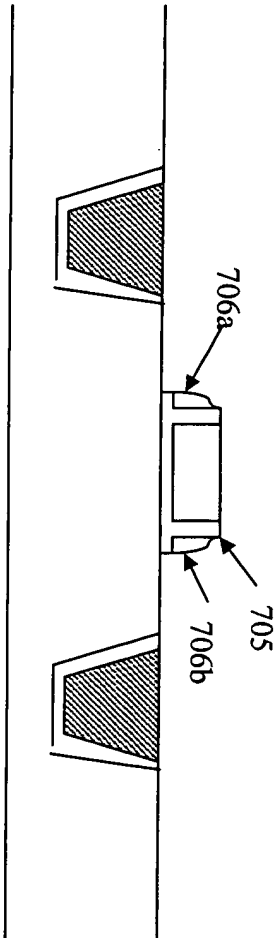


Fig. 7C

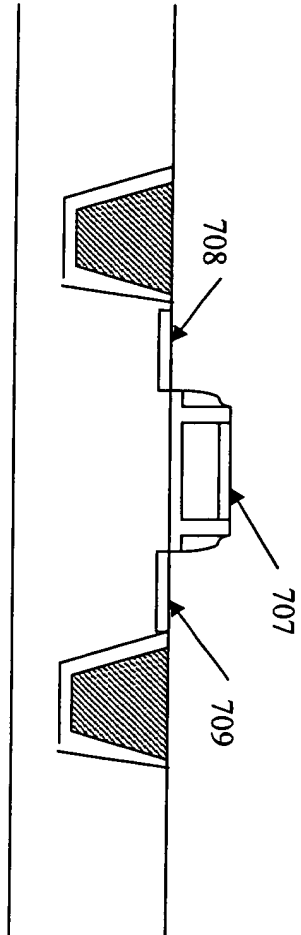
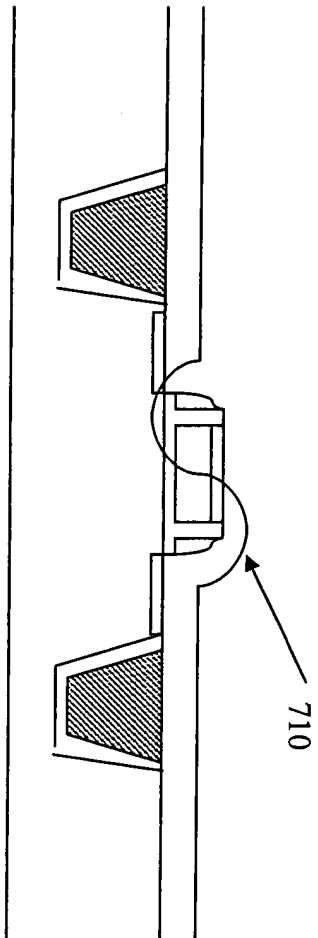


Fig. 7D



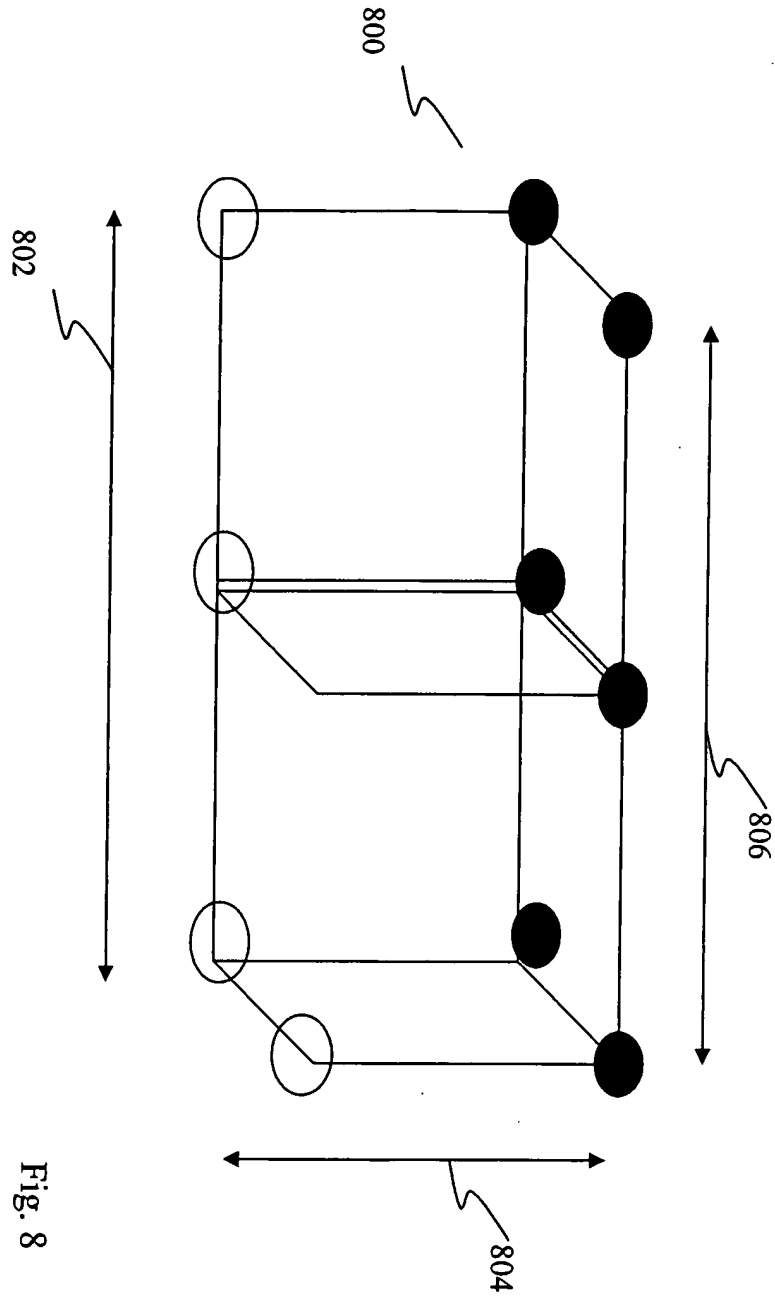


Fig. 8